



S.S. RHINE MARU.

Koke Rpt no 3920.

Construction Profile + Decks

RETAIN



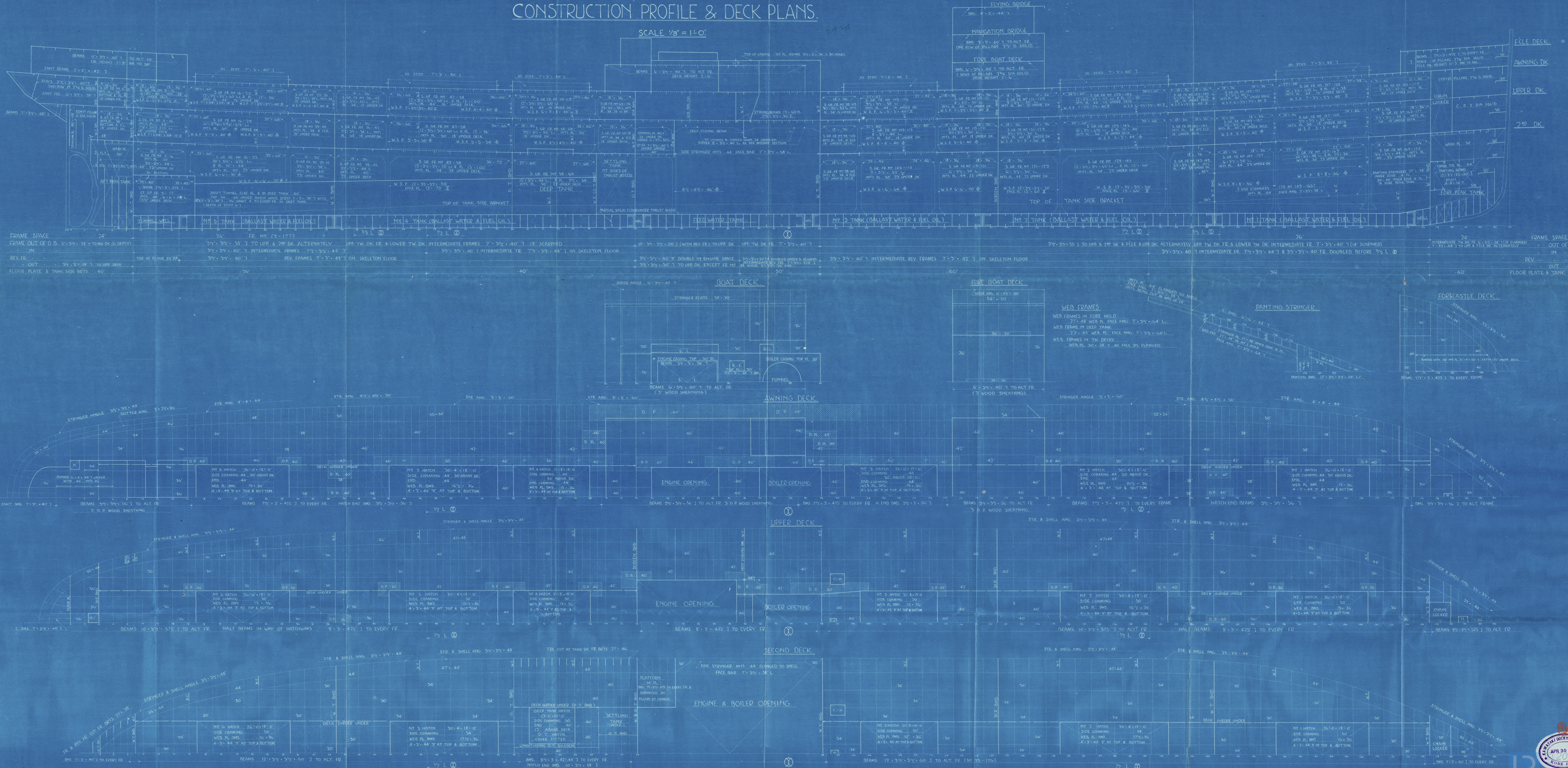
© 2020

Lloyd's Register
Foundation

W606-0175

№ 481.
CONSTRUCTION PROFILE & DECK PLANS.

SCALE 1/8" = 1'-0"



APPROVED PLAN "D".¹⁴

Kawasaki Nos 481+483

Alterations to Auning Deck
Amedships

4/5 RHINE MARK, No 481.

Kobe Rpt. no 3920.

RETAIN



© 2020

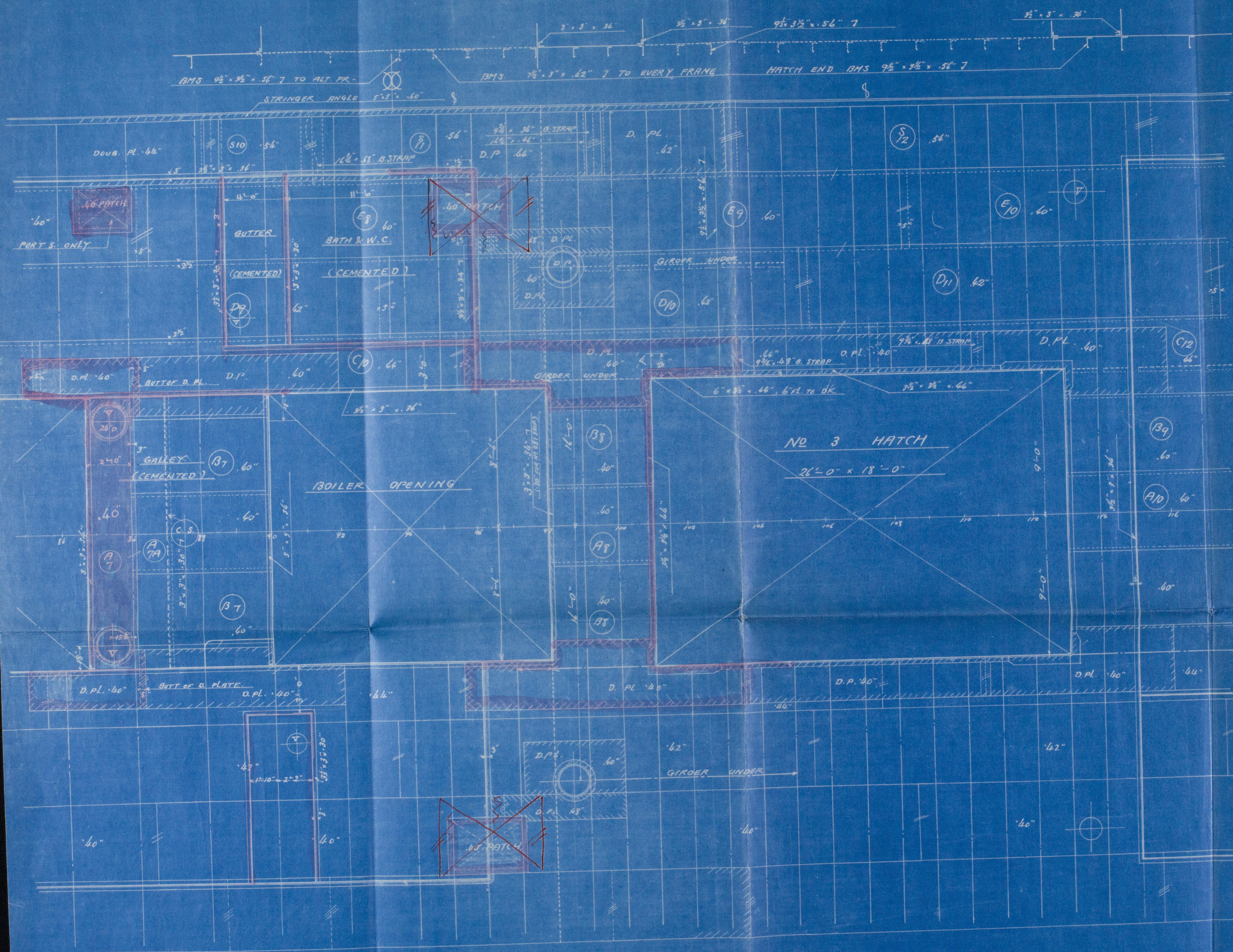
Lloyd's Register
Foundation

W606-0176

No 481 & 3

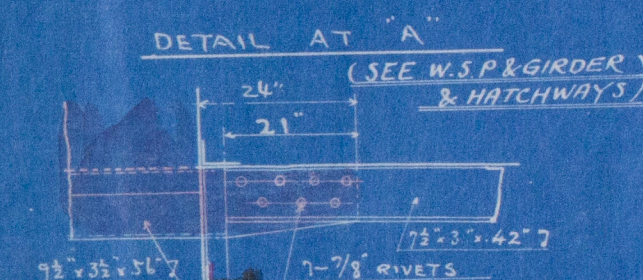
ALTERATION OF
AWNING DECK
AMIDSHIPS

SCALE 1/4" = 1'-0" PL. NO 31 B.



- N. B.
1. ALTERATIONS SHOWN IN RED.
 2. TO BE ADDITIONALLY STRENGTHENED IN WAY OF MACHINERY SPACE & AT SIDES OF NO 3 HATCHWAY.

Thickness of doublings abreast No 3 hatch and on stringer correct for 483 ship only. For 481 ship see Plans 38/7/22



© 2020

Foundation

APPROVED PLAN "C"

Kawasaki no 481 + 483
Alteration to No 3 Hatch

S/S RHINE MARU. N° 481

Kobe Rpt no 3920

*

RETAIN




© 2020

Lloyd's Register
Foundation

W606-0117

ALTERATION OF HATCH WAY

ALTERATIONS ~~ARE~~ SHOWN IN RED



© 2020

Lloyd's Register
W606-0177

APPROVED PLAN "B"

Kawasaki No 481 + 483

Alterations at Aft End
and at No 3 Hatchway

S/S RHINE MARU No 481.

Kobe Rpt No 3920

RETAIN



© 2020

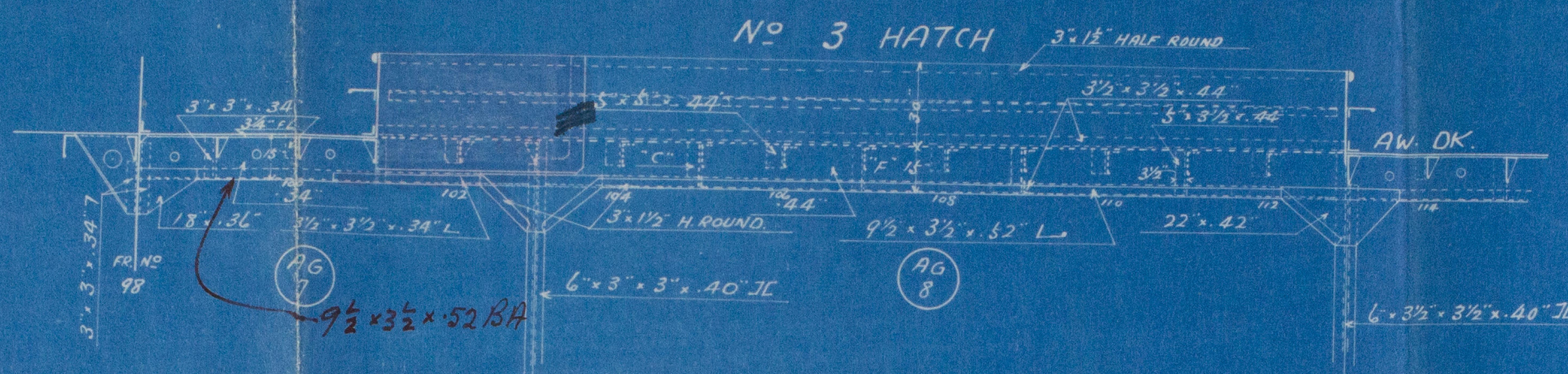
Lloyd's Register
Foundation

W606-0118

Nº 481 & 3.

ADDITIONAL DK. GIRDERS. & PILLARS.

SCALE $\frac{1}{4}" = 1'-0"$ PLAN Nº 41A



N. 8

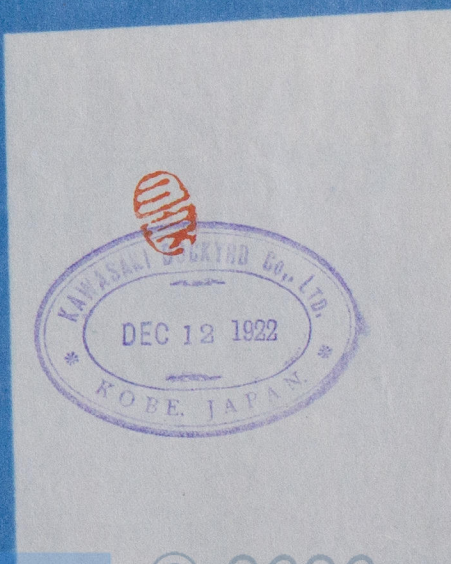
1. TINTED GIRDERS & PILLARS

ARE THOSE ADDITIONALLY

FITTED.

2. DETAILS OF ATTACHMENT OF GIRDER
& W.S. PILLARS ARE AS PER PLAN Nº 41 & 42.

APPROVED



© 2020

Lloyd's Register
F0606-0178

APPROVED PLAN "A"

Kawasaki no 481 + 483

Alterations to Aft End Construction

8/8 RHINE MARU No 481.

Kobe Rpt no 3920

RETAIN



© 2020

Lloyd's Register
Foundation

ALTERATION OF AFT CONSTRUCTION

PL. 25



NO. 481 SHIP. S.S. "RHINE- MARU".

Kobe Rpt no 3920

MIDSHIP SECTION.

Hull Design. Dept.

Kawasaki Dockyd & Co.

DATE.....

RETAIN



© 2020

Lloyd's Register
Foundation

W606-0174

TO CLASS TEISHINSHO RULE 1ST CLASS VESSEL &
LLOYD'S 100A1 WITH FREE BOARD.

ITEMS		RIVETING	
FRAME TO SHELL		7.	8% IN DECK & DEEP TANKS & IN DOUBLE BOTTOM BEFORE $\frac{3}{8}$ " & 1/2" MARIN. SPACE
FRAME TO FLOORS IN ACT. PEAK		8	
REV. FR. " " " "		5	
" " " " " " " "		7	
BUTTS OF SHELL PLATE		3 1/2	4 IN 4 SIDE BUTT LAP
VERMS " " " " " "		4	5/8 PLATE & 1/2 IN 2 FOR 3/4 IN NO. BETWEEN FR. & 4 IN 4 SIDE CUTS AT ENDS
DK. PLATE TO BRIS		7 1/2	7 1/2 ON SCALMS TO ACT. FR. IN DEEPTANK
BUTTS OF STONGER PL.		4	
DK. " " " "		5	
EDGES " " " "		4 1/2	
DOUBLE ANG. " " " "		7	
DK. STR. " " " "		4	
DOUBLE BOTTOM		4	
BUTTS OF MARGIN PL. & CENTRE GIRDER		4	
BUTTS & EDGES OF INNER BOTTOM PL.		4	
MARGIN ANG. " " " "		4 1/2	
HEEL " " " "		5	
FLOOR PL. TO FR. & REV. FR.		7	
VERTICAL ANG. ONCE GR. AT ENDS		5	
" " " " " " " "		7	
ANG. AT TRP. OF CENTRE GIRDER		7 1/2	5 WHERE CLOS. N. T.
TR. & BOTTOM ANG. ON SIDE GIRDER		4 1/2	4 1/2 IN NR. BETWEEN FR.
BUTTS & EDGES OF DECK PL.		4 1/2	4 1/2 PLATE BOUNDARY AND DECK PLATE
BUCKHEAD BOUNDARY	ANGLES	5	WHERE
DIFFERENCE		5	1/2 FOR SINGLE RIV. ANGLES
WIDE STR. " " " "	FACE - ANGLES	7	7 EXCEPT IN DECK TANK WHERE 6
" " " " " " " "		4 1/2	4 1/2 IN NR. BETWEEN FR.
W. S. PLATES & GIRDERS EXCEPT GIRDER TO RA		7	
INTERCOSTAL PL. EXCEPT TO DK		5	
SHELL PL. & STR. & BOTTOM TANKS		4 1/2	

7 IN NUMBER EXTEND TO UPPER DECK
EXCEPT COLLISION & RET END BND OF DEEP TANK
WHICH FORMER EXTEND TO AWW. DK & THE LATER
EXTEND TO SECOND DK.



KAWASAKI DOCKYARD Co., LTD.

Builders No. 481.

S.S. "Rhine-Maru"

Boiler.

Kobe Rpt no 3920.

Drawing No.

RETAIN



Handwritten vertical text: 2372



© 2020

Lloyd's Register
Foundation

W606-0180

No 2

HEATING SURFACE	
TUBES	2137.574
FLUES	168.541
FIRE BOXES	238.777
BACK TUBE PLATES	59.456
TOTAL	2600.348
GRATE AREA	63.250
RATIO OF H/G	4.112
SECTIONAL AREA OF TUBES	13.21
SEC. AREA OF TUBES	
GRATE AREA	4.733

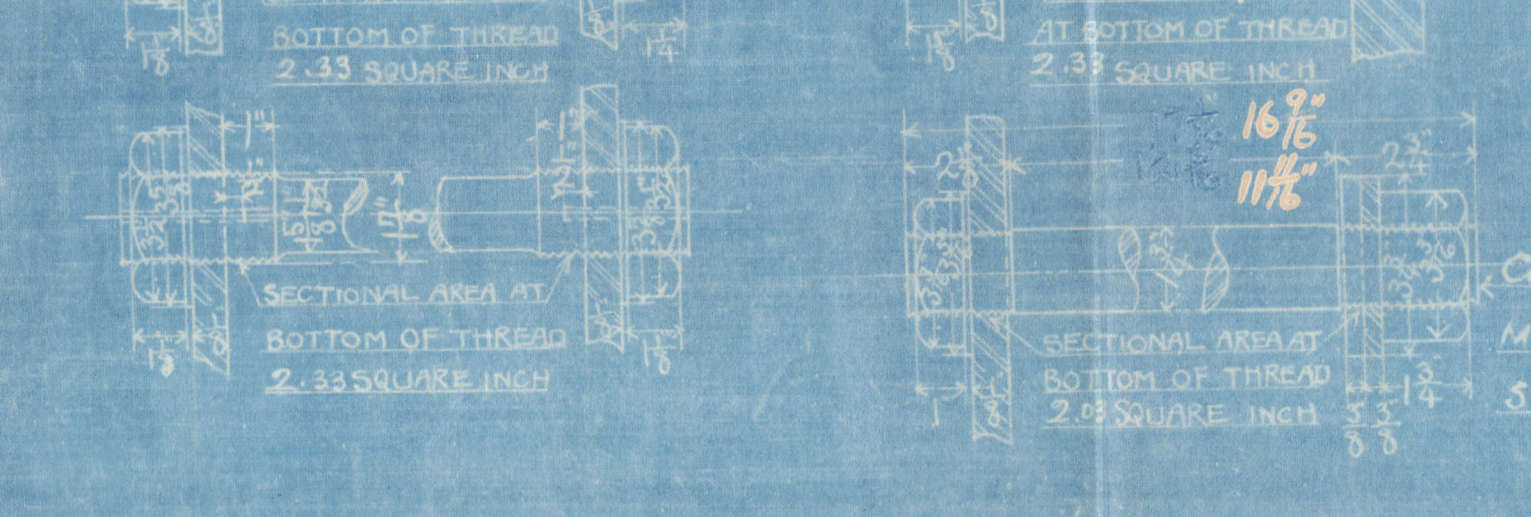
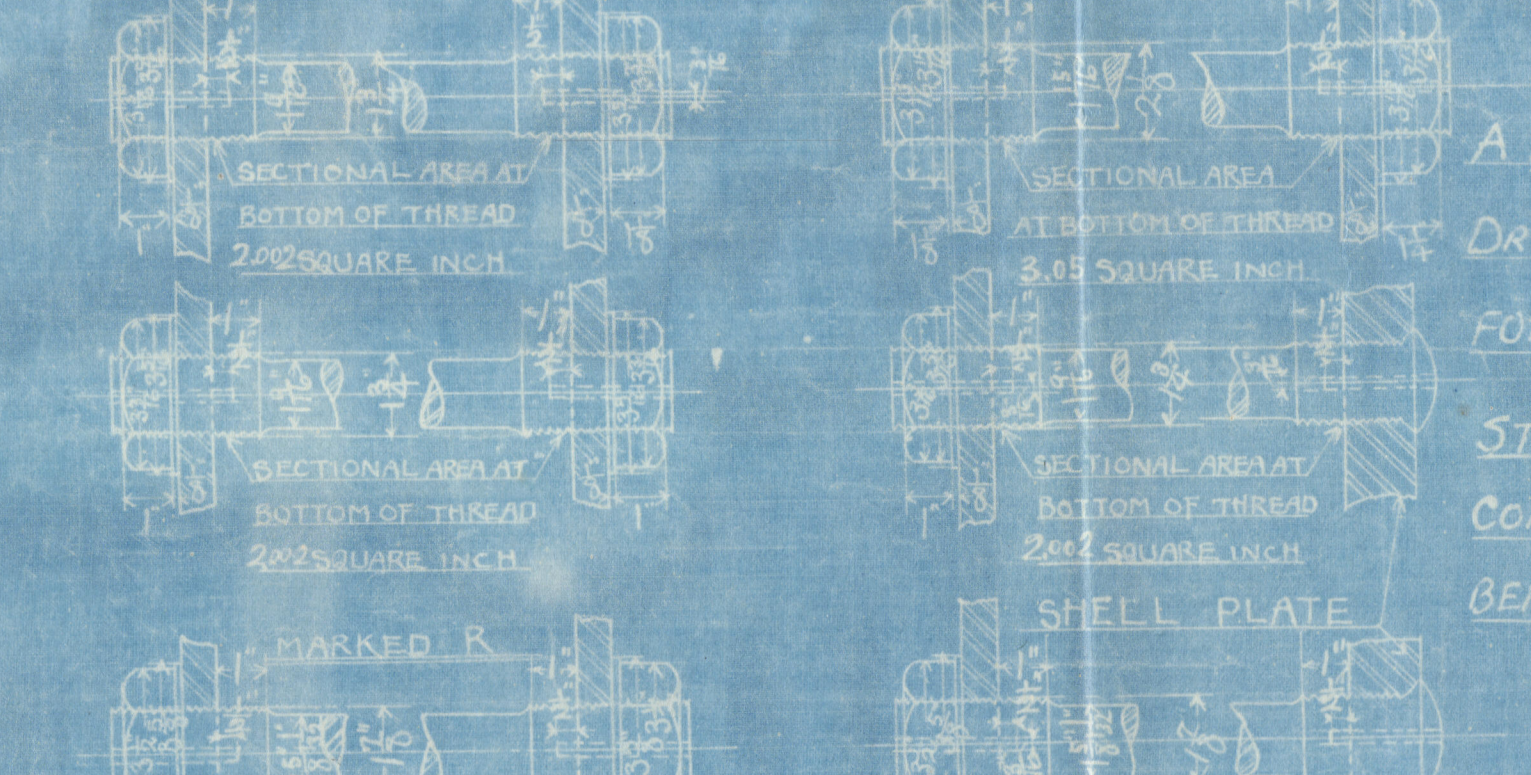
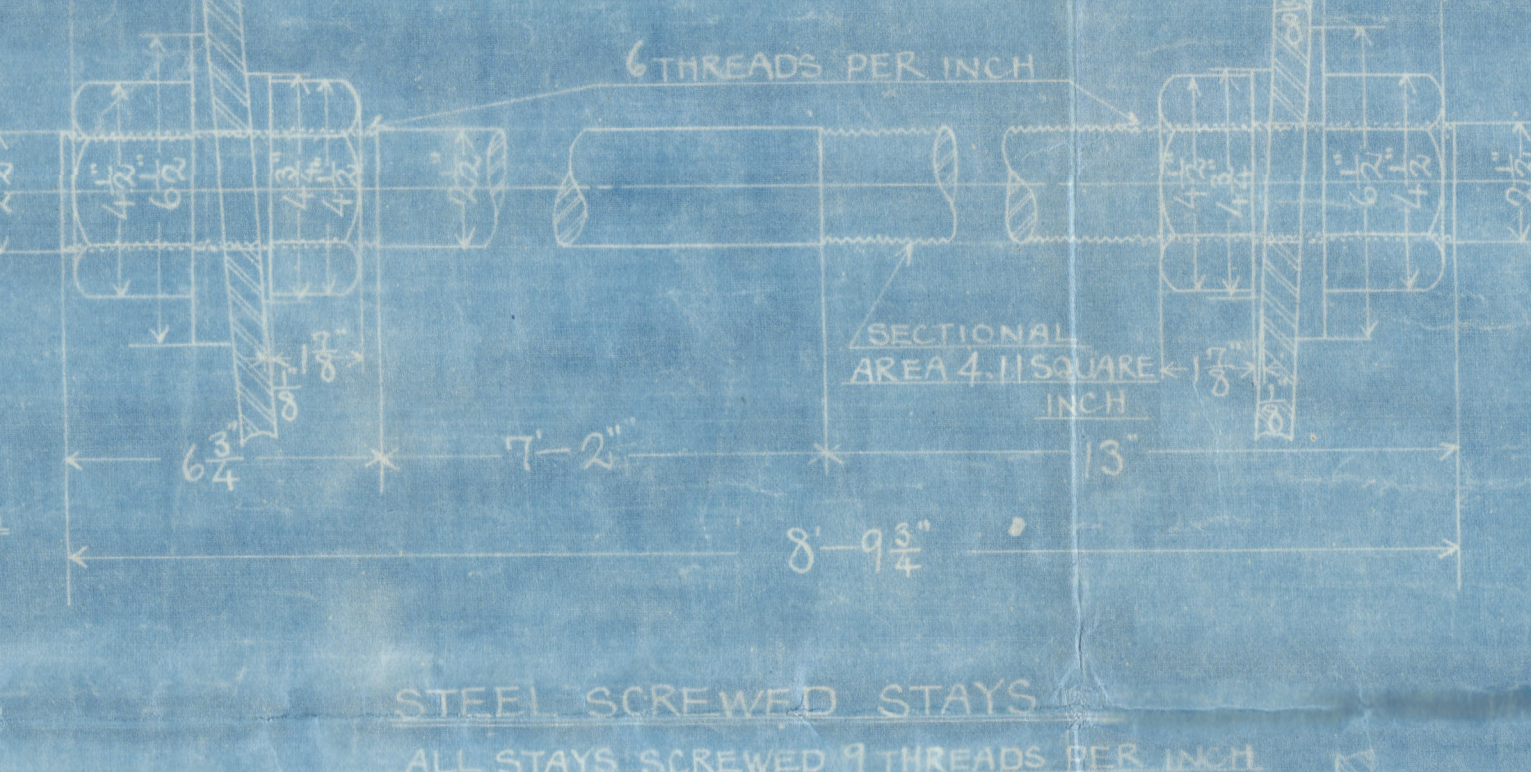
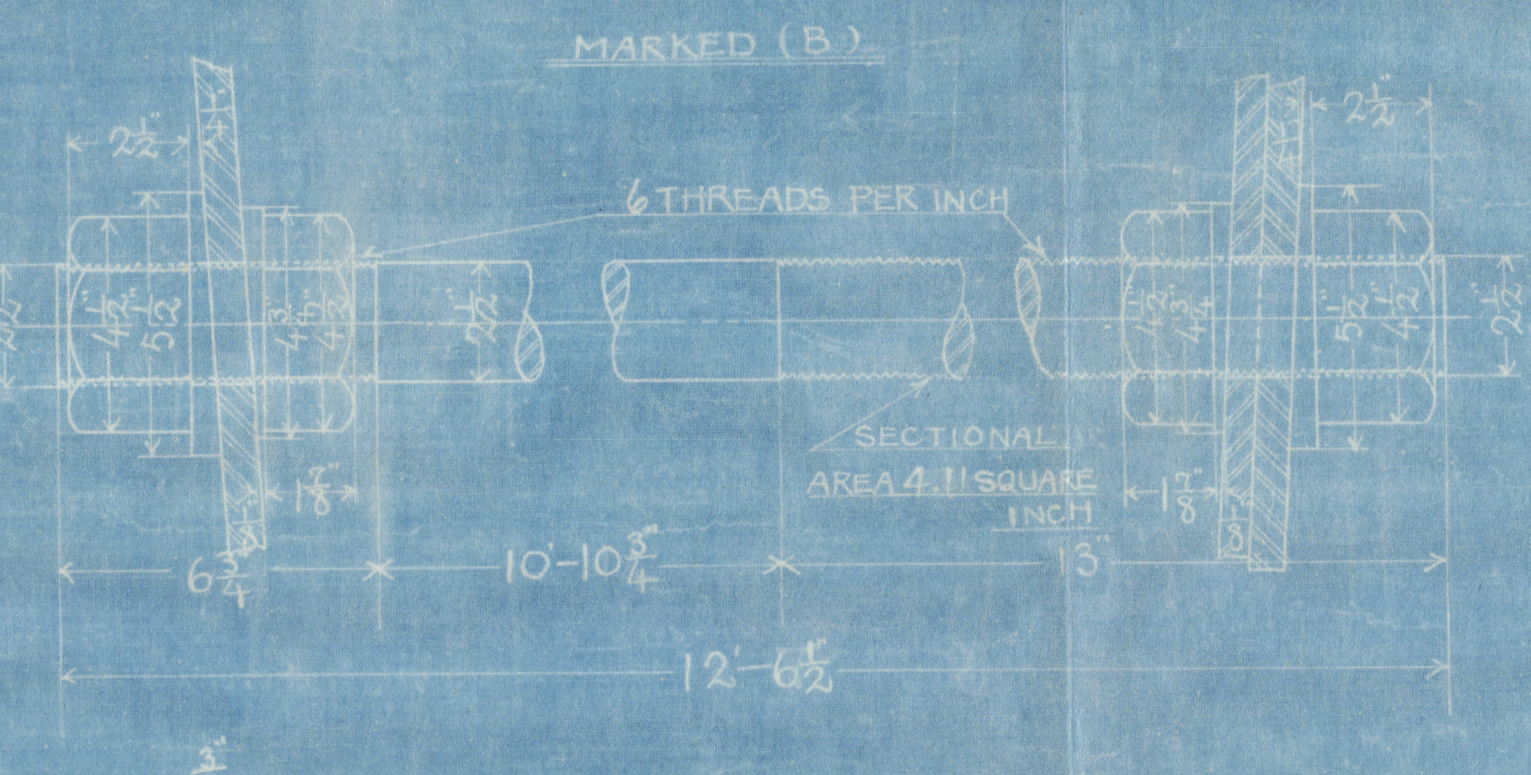
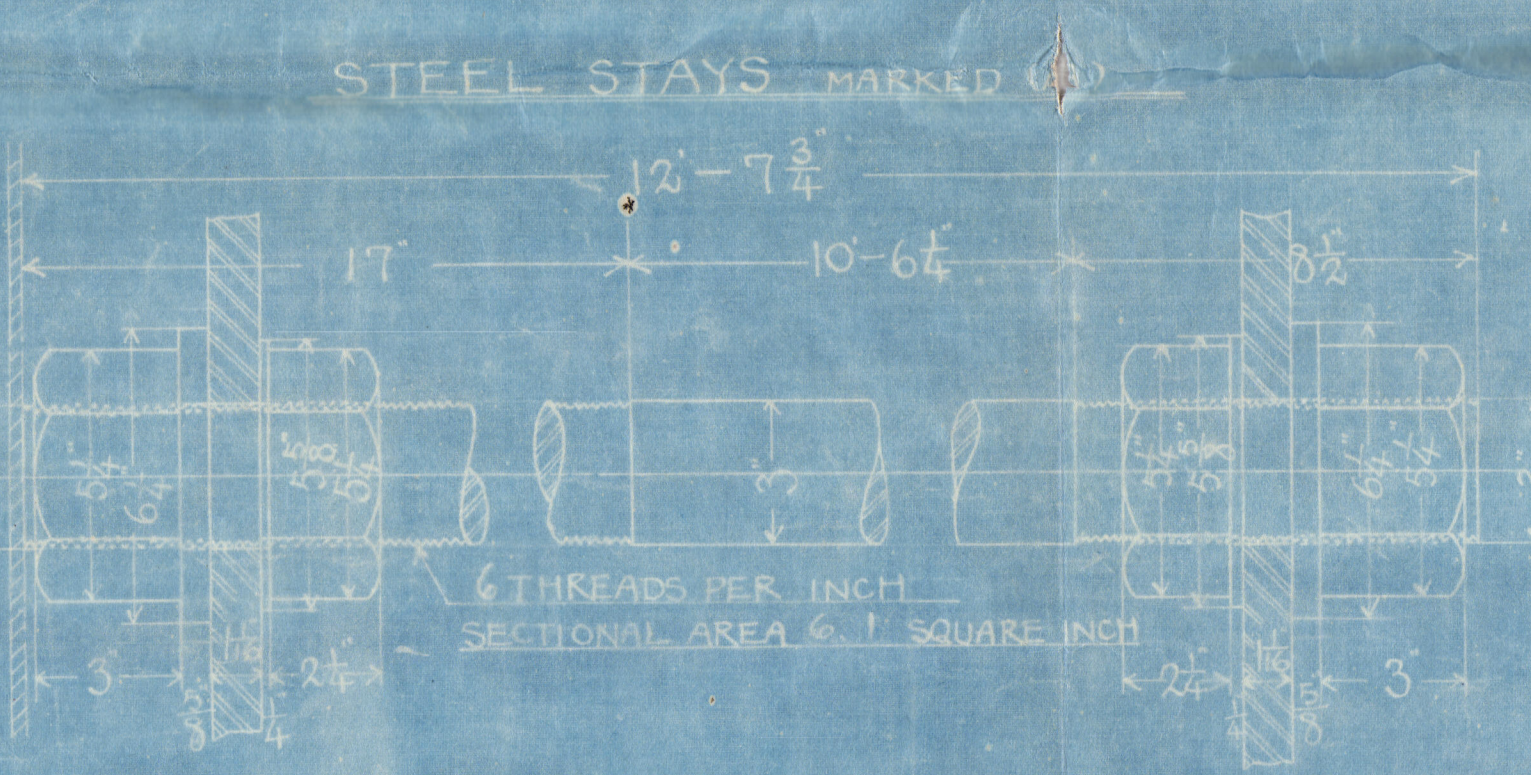
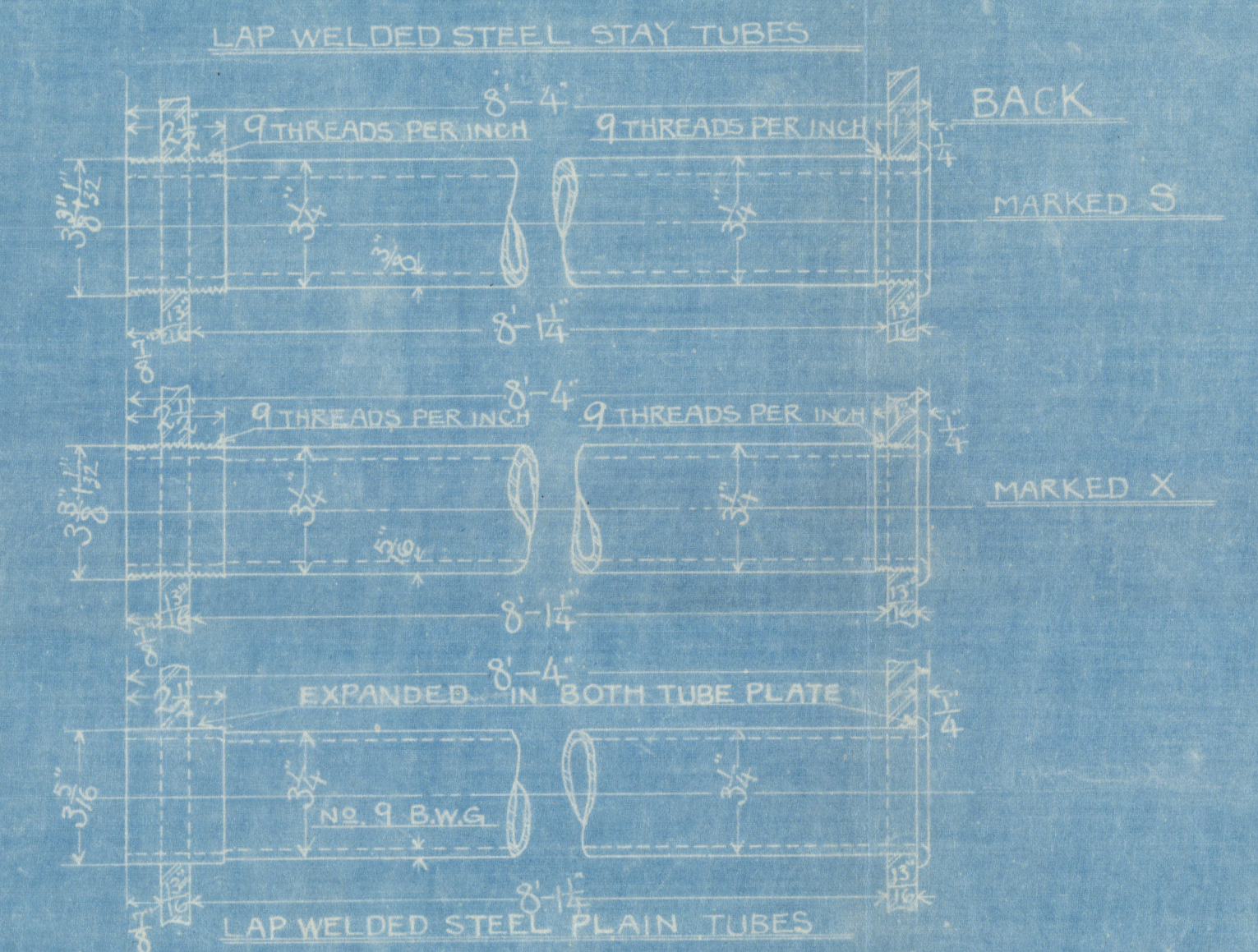
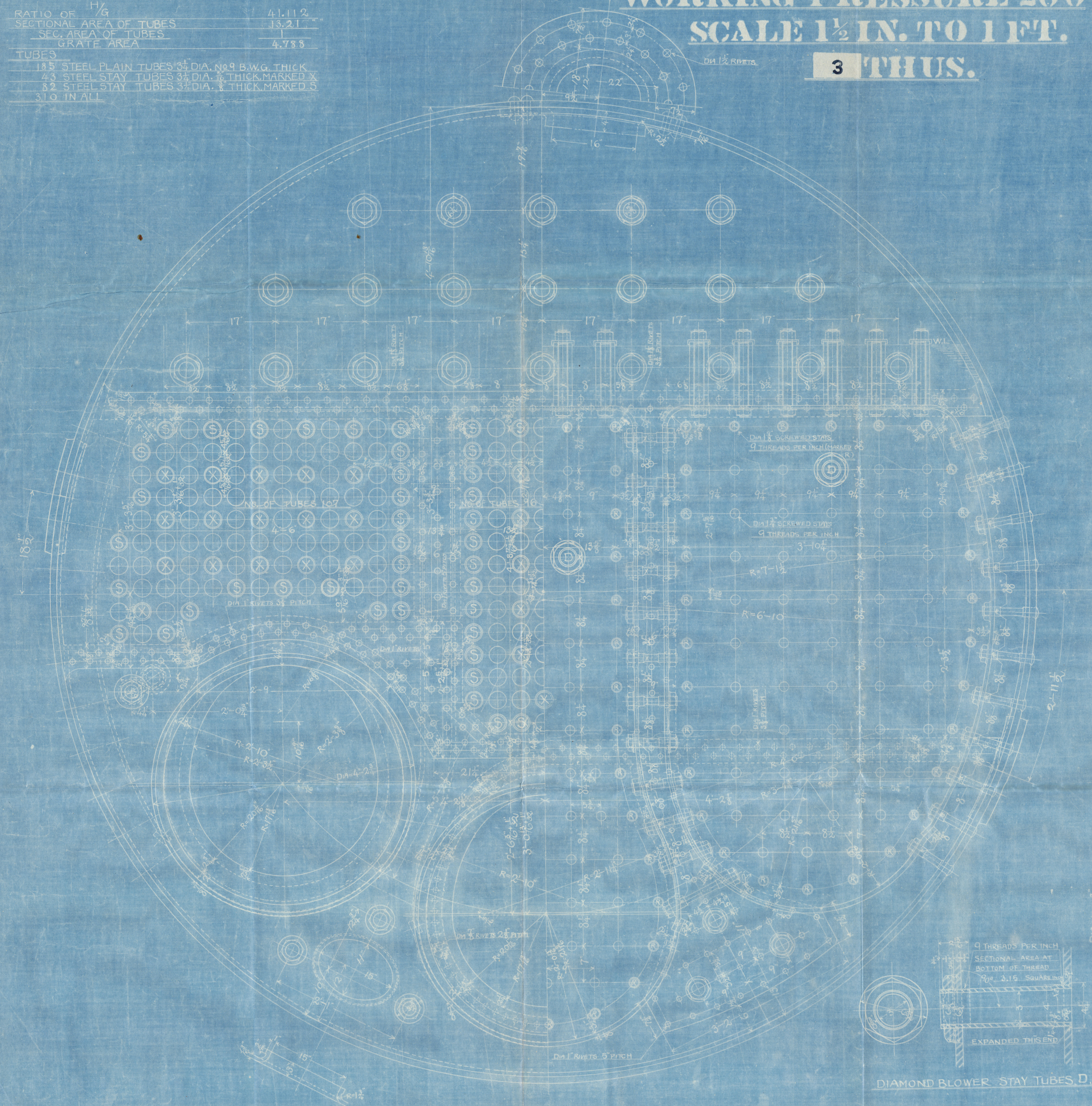
TUBES
185 STEEL PLAIN TUBES 3" DIA. NO. 9 B.W.G. THICK
43 STEEL STAY TUBES 3" DIA. 1/2" THICK MARKED X
82 STEEL STAY TUBES 3" DIA. 1/2" THICK MARKED S
310 IN ALL

No 481.

STEEL BOILERS

DIA. 15'-6" x 12'-0" LONG.
WORKING PRESSURE 200 LBS.
SCALE 1 1/2 IN. TO 1 FT.

3 THUS.



ボイラー
No 481
200
13-1
1/2
350
製造
© 2020
Lloyd's Register
Foundations

006479-006488-0027

注意 翼端金物④、本船入港、除型取、上铸造、
铸鋼品以外、総て修繕部で製造、尚取付、
全部全部で施工、

豫定總重量			查組合		應量分					材料指定		備考		
符號	名	稱	試驗 驗時	材料 種類	製造 方法	數量	音調 變換	音量 控制	時間 限制	材料指定	番	號	備	考
1	上部翼			鋼板	2	2							厚 $\frac{1}{16}$ "	
2	下部翼			同上	2	2							同上	
3	塞板			同上	2	2							同上	
4	異端金物			鑄鋼	1	1								
5	鉗			鋼線									$\frac{3}{16}$ " 鐵	
6	同上			同上									$\frac{3}{16}$ " 鉚釘	

製造個數、產量分、示示、貳隻分製造、

機工	鍛工	模	鑄	旋	定	
二旋	鍛	鑄	鑄	道	外業	修
電機	鍛	鍛	鍛	鑄	鑄	鑄
		8				

出 圖	卷 2 第 3 册	年 月
--------	--------------	-----

川崎造船所設計部			
部長	佐賀	佐賀	
擔當	佐賀	佐賀	
調査	佐賀	佐賀	G.T. (C)
寫	佐賀	佐賀	

*To accompany Kobe R/H No. 6148
s/s Bordeaux Maru*

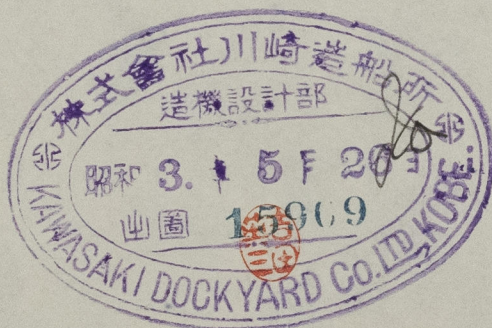
KAWASAKI DOCKYARD Co., LTD.

Builders No. 1878.

S. S. Turbine Steamer
"Rhine" & "Bordeaux".

General Arrangement of
Contrapropeller.

Drawing No. 7



口
イ
ト
送
り

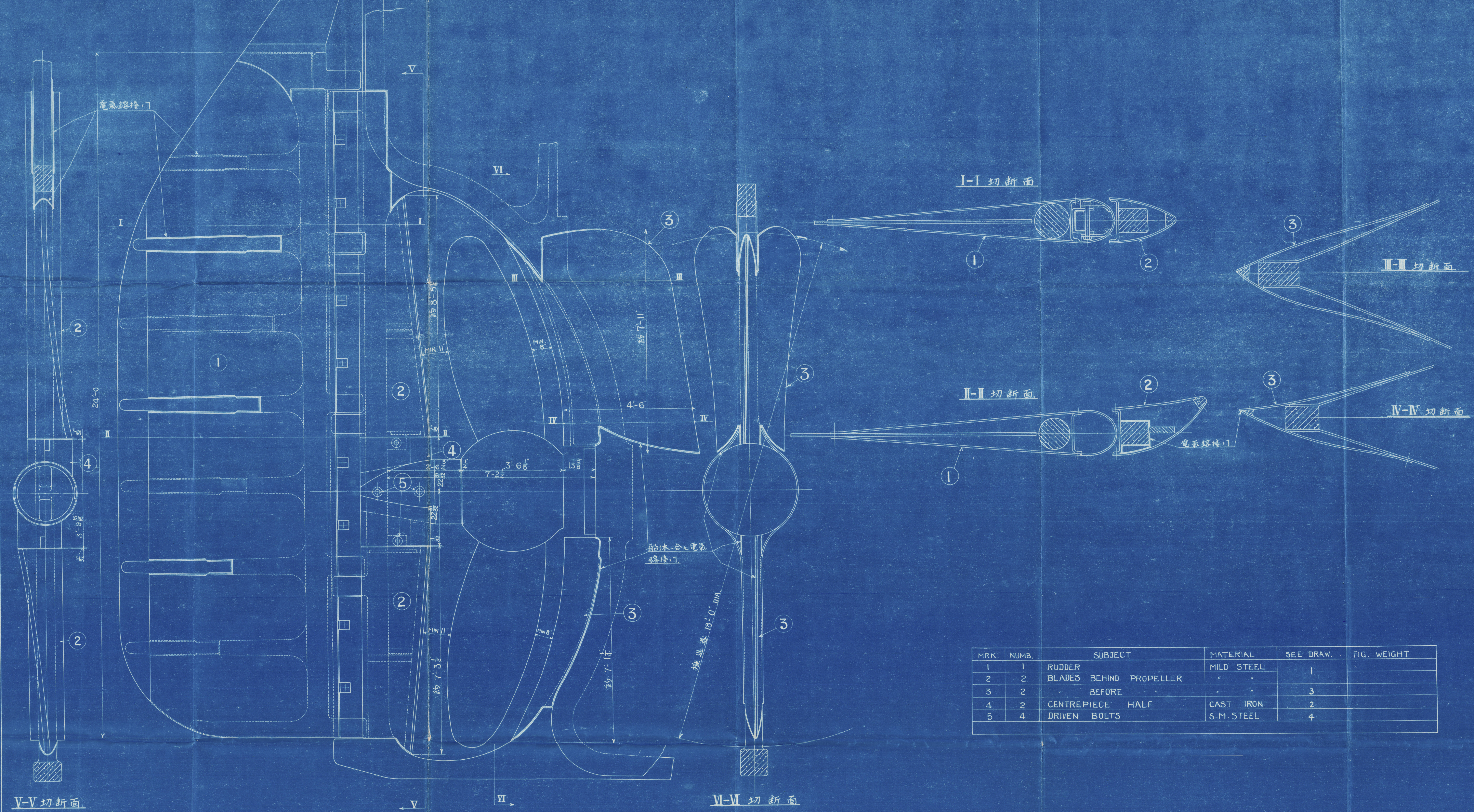


© 2021

Lloyd's Register
Foundation

006479-006488-0029

CONTRAPROPELLER ARRANGEMENT.



MRK.	NUMB.	SUBJECT	MATERIAL	SEE DRAW.	FIG. WEIGHT
1	1	RUDDER	MILD STEEL	1	
2	2	BLADES BEHIND PROPELLER	" "	3	
3	2	" BEFORE	" "	2	
4	2	CENTREPIECE HALF	CAST IRON	4	
5	4	DRIVEN BOLTS	S.M. STEEL		

ALL OVER DIMENSIONS MUST BE CONTROLLED BEFORE GETTING THE CONTRAPROPELLER IN PLACE
THE POSITION OF THE MAIN PROPELLER MUST BE CONTROLLED.
BEFORE WELDING CONTROL THAT THE CONTRAPROPELLER HAS GOT THE POSITION AS SHOWN IN THIS PLAN.

ALL NUTS AND HEADS MUST BE CEMENTED OVER WHEN IN PLACE

機製造番号	1878
組立	コントラプロペラー
圖面番号	7
出	2
圖	番
川崎造船所機械設計部	
部長	部長
技師	技師
設計	設計
監製	監製
年月日	8.5.22

45. BORDEAUX MARU

Builders No.	1 8 7 8.
S. S. Turbine Steamer "Rhine" & "Bodeaux".	
Contrapropeller	
Center-pieces.	
Drawing No.	2



口
ノ
ト
送

Lloyd's Register
Foundation

006479-006488-0030

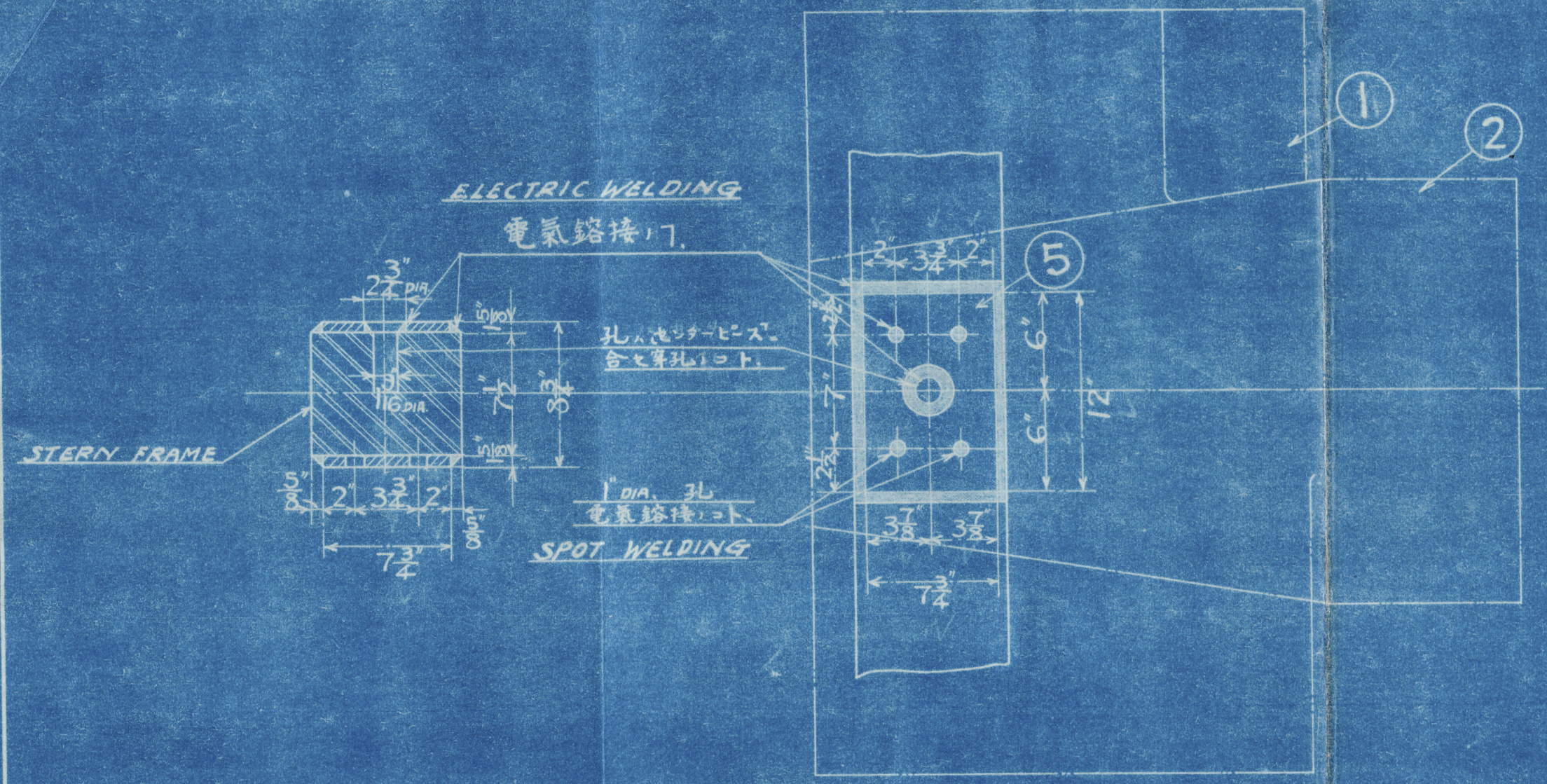
CENTER PIECE

CAST IRON

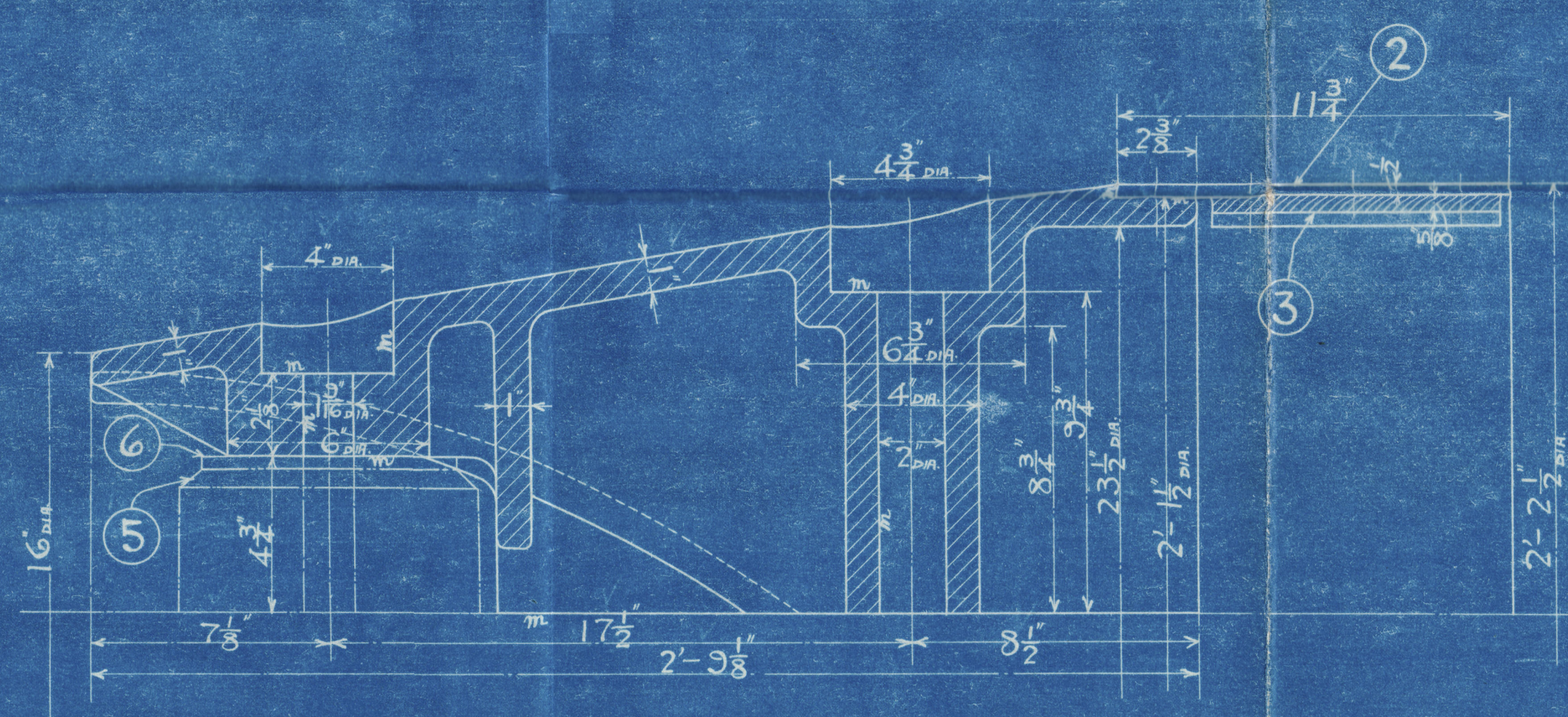
図面番 2

尺度 1 1/2吋=1呎
3吋=1呎

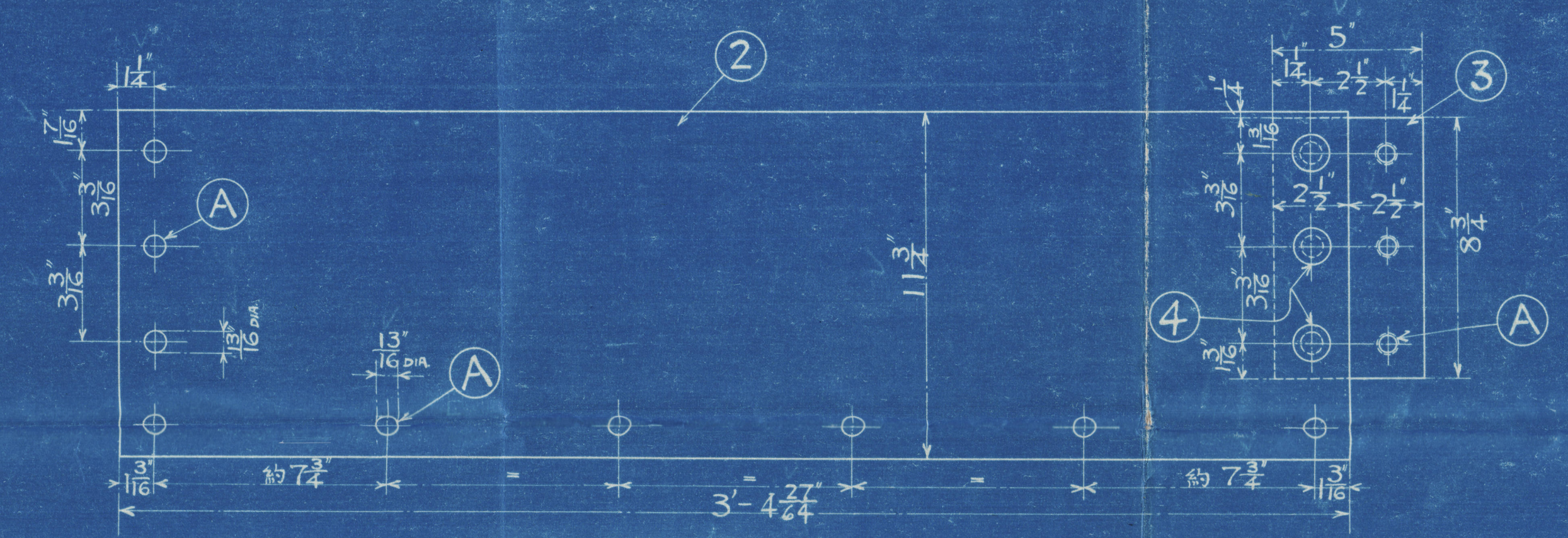
仕上区分	9	f	次	上	S
材	本	仕	上	上	黒皮
上	上	上	上	上	上



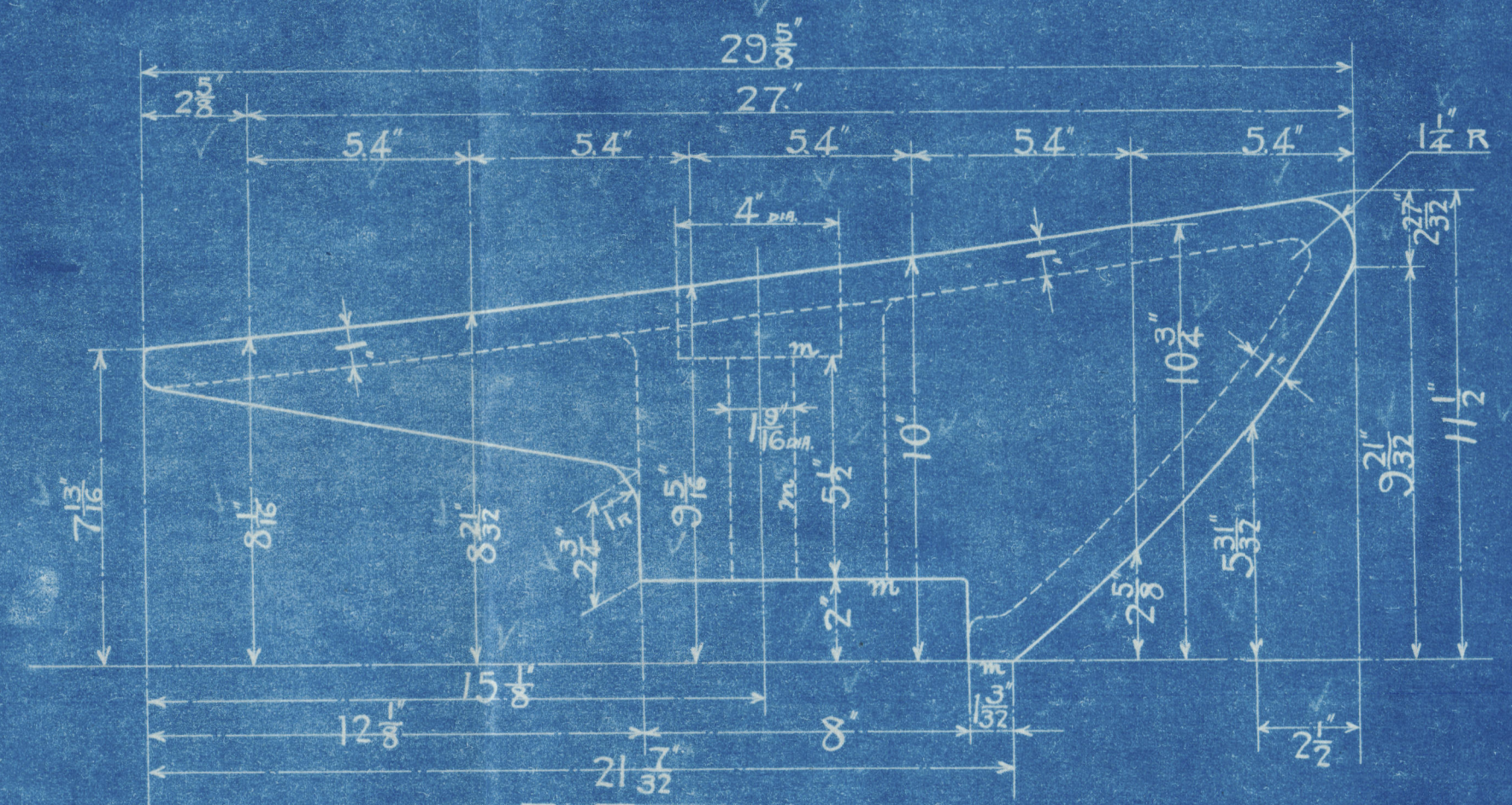
補強板
STIFFENER



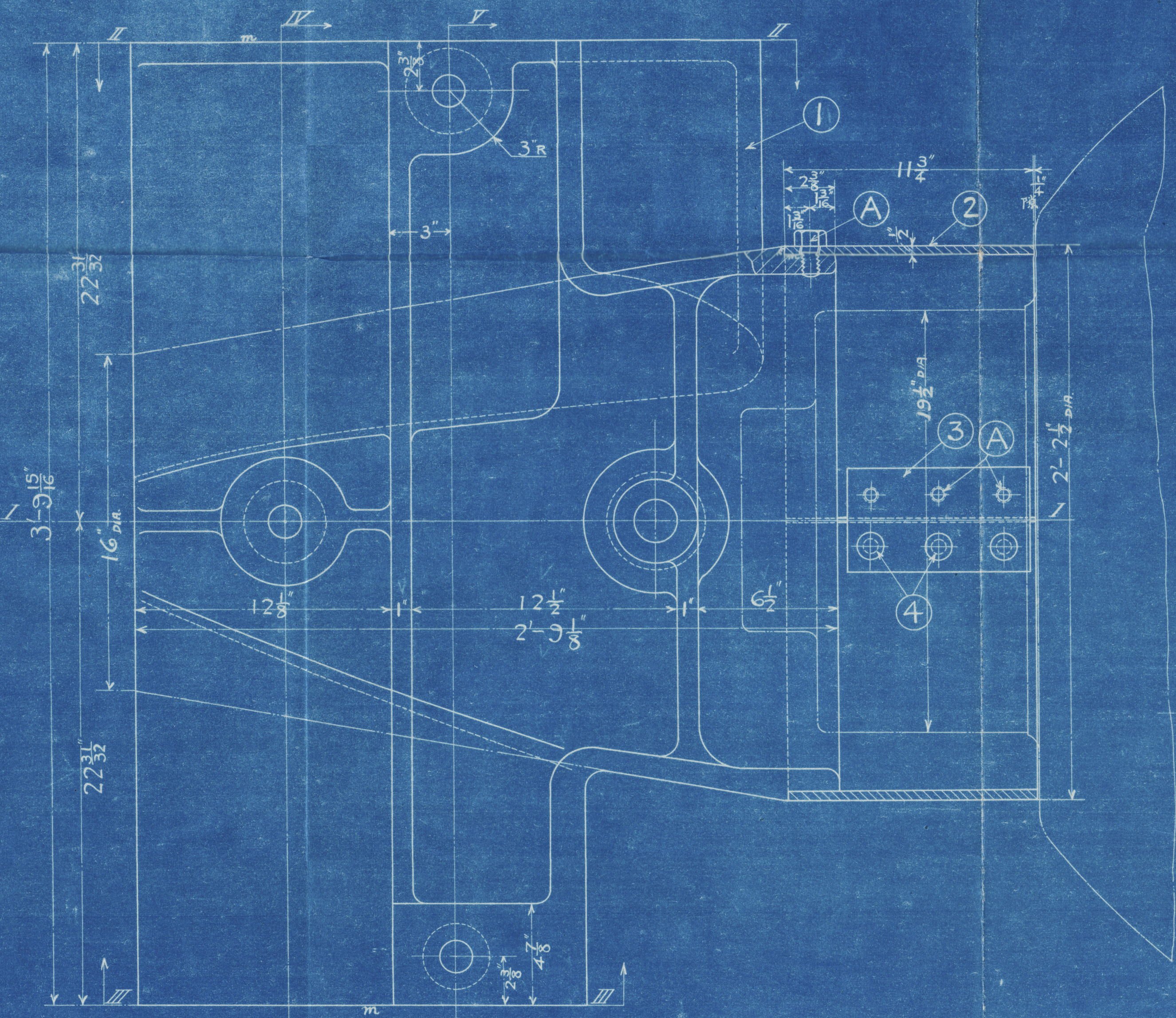
I-I 切断面



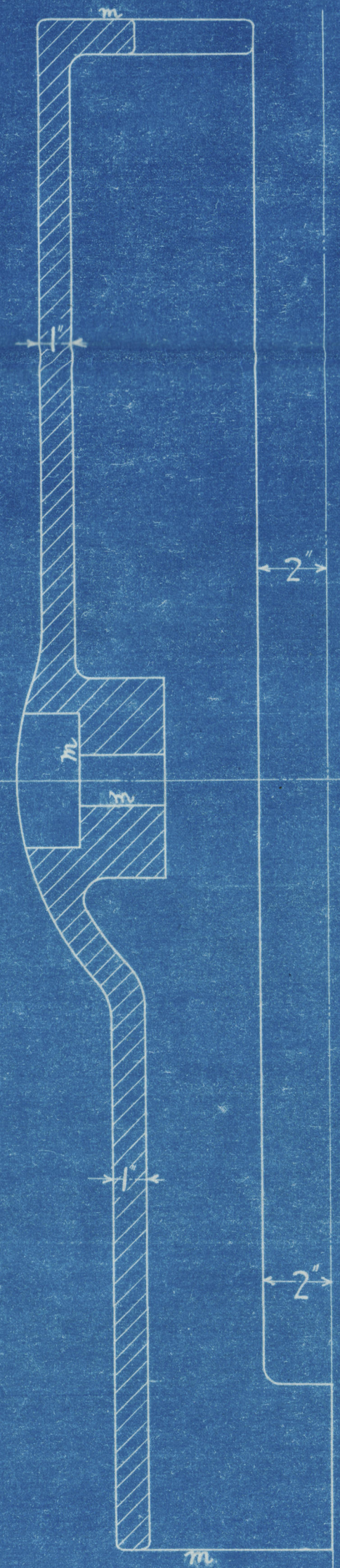
ガードリング展開面
GUARD RING



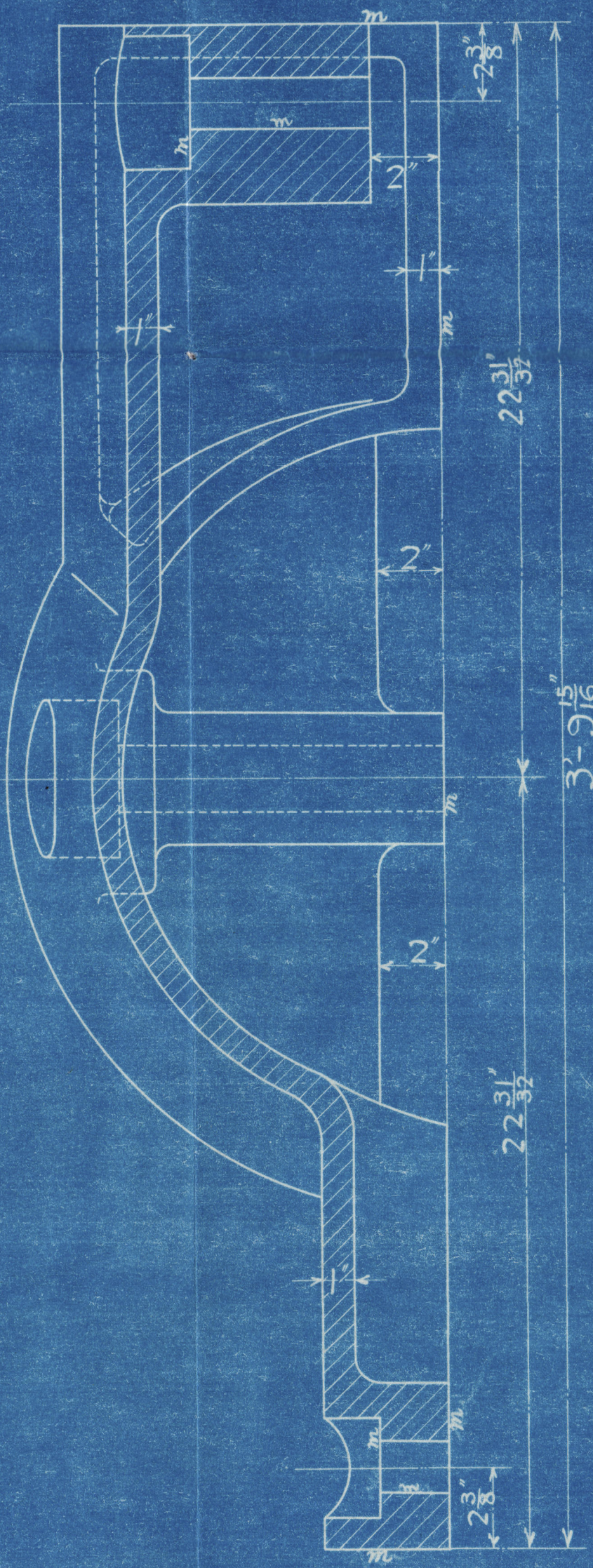
II-II 矢印方向ヲ見ル



III-III 矢印方向ヲ見ル



IV-IV 切断面
船へ向ッテ見ル



V-V 切断面
船へ向ッテ見ル

注意

1. 鉄の面へ出来ぬむろ滑カニ鑄造シ。
2. 螺釘孔ハ鉄ノ型取リノ上穿孔シ尤右半分ハ何レモ取リ換ハラルニ様ニ施工シ。
3. 鑄物鑄造及仕上以外ハ必要修繕部ニ施工シ。

予定数量		色区分		色区分		色区分		色区分	
序号	名	材	量	材	量	材	量	材	量
1	センターピース	鑄鉄	2	鋼板	2	鋼板	2	鋼板	2
2	ガードリング	鋼板	2	鋼板	2	鋼板	2	鋼板	2
3	接目板	鋼板	2	鋼板	2	鋼板	2	鋼板	2
4	鋼板	鋼板	6	鋼板	6	鋼板	6	鋼板	6
5	補強板	鋼板	2	鋼板	2	鋼板	2	鋼板	2
6	押金	鋼板	2	鋼板	2	鋼板	2	鋼板	2

製造個数ハ色区分ノ示ス。或量分製造シ。

背	名	材	量	材	量	材	量	材	量
A	ガードリング取付押金	鋼板	10	鋼板	10	鋼板	10	鋼板	10

機工	機工	機工	機工	機工	機工
機工	機工	機工	機工	機工	機工
機工	機工	機工	機工	機工	機工

出	8	年	日
日	月	日	年

川崎造船所造船設計部	部長	樹長
部長	製図	製図
製図	製図	製図